

Converting Colors

XYZ(49.9176, 51.8520, 27.9049)

Have a look what the booklet for
XYZ(49.9176, 51.8520, 27.9049)
contains.

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Color

**XYZ(49.9038, 51.9720,
27.8235)**

Conversions

Conversions Part 1

Format	Color
Hex	D7BC80
RGB	215, 188, 128
RGB Percent	84%, 74%, 50%
CMY	0.1569, 0.2627, 0.4980
CMYK	0.00, 0.13, 0.40, 0.16
HSL	41°, 52%, 67%
HSV	41°, 40%, 84%
XYZ	49.9038, 51.9720, 27.8235
YIQ	189.2330, 35.3520, -12.9360

Conversions

Conversions Part 2

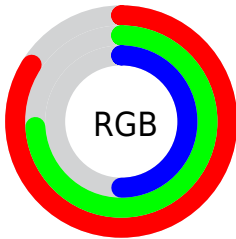
Format	Color
RYB	167, 215, 128
Decimal	14138496
CIELab	77.26, 1.37, 33.88
CIELCh	77, 33.912, 87.688
Yxy	51.9720, 0.3848, 0.4007
Android (android.graphics.Color)	4292328576 (0xFFD7BC80)
YUV	189.2330, -30.1879, 22.5977
Hunter-Lab	72.0916, -2.5977, 27.5814

Details

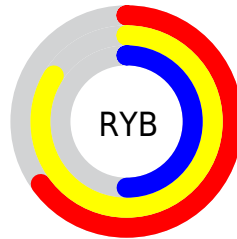
The XYZ color **49.9038, 51.9720, 27.8235** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **32.8888, 32.9371, 68.9139**, and the grayscale version is **48.6575, 51.1915, 55.7475**.

A 20% lighter version of the original color is **81.9312, 89.2976, 56.6340**, and **24.3372, 25.2489, 10.7986** is the 20% darker color. If you saturate the color by 10%, you get **47.2439, 48.6820, 20.6795**, and if you desaturate by 10%, it is **52.9320, 55.5185, 36.5707**.

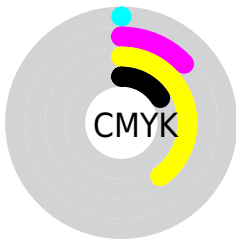
Distribution



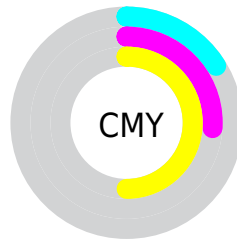
- Red (84%)
- Green (74%)
- Blue (50%)



- Red (65%)
- Yellow (84%)
- Blue (50%)



- Cyan (0%)
- Magenta (13%)
- Yellow (40%)
- Black (16%)





- Cyan (16%)
- Magenta (26%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9038, 51.9720, 27.8235 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.9038, 51.9720, 27.8235 by changing the saturation by 10% instead.


 49.9038, 51.9720,
27.8235

 49.9038, 51.9720,
27.8235


376.7478,
394.3285, 305.5079


 35.5545, 36.9828,
17.9548


 89.2250, 93.0899,
57.2222

 24.2588, 25.1941,
10.7484


 114.9276,
119.9874, 77.5893

 15.6515, 16.2218,
5.7859


 145.1452,
151.6231, 102.2929

 9.3672, 9.6812,
2.6487

180.2434,
188.3814, 131.7516

 5.0404, 5.1881,
0.9174

220.5874,
230.6467, 166.3839

 2.3060, 2.3581,
0.0000

266.5425,

 0.7977, 0.8042,

278.8034, 206.6084

0.0000

318.4742,
333.2359, 252.8435

■ 0.0000, 0.0000,
0.0000

■ 49.9038, 51.9720,
27.8235

■ 49.9038, 51.9720,
27.8235

■ 47.2439, 48.6820,
20.6795

■ 52.9320, 55.5185,
36.5707

■ 44.9286, 45.6320,
15.0346

■ 56.3430, 59.3231,
47.0100

■ 42.9367, 42.8139,
10.7774


■ 60.1549, 63.3961,
59.2275


■ 41.2433, 40.2163,
7.7795


■ 64.3837, 67.7454,
73.3024


■ 39.8182, 37.8256,
5.8879

■ 69.0443, 72.3782,
89.3094

 38.6594, 35.7174,
4.8566

 73.8266, 77.1717,
105.6123

 75.6978, 80.9141,
106.2360

 77.6406, 84.7998,
106.8836

 79.6558, 88.8301,
107.5554

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.3860, 51.9720, 31.4024



49.9038, 51.9720, 27.8235



43.8136, 51.9720, 30.4372

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.9038, 51.9720, 27.8235



39.1342, 51.9720, 74.9087



60.7347, 51.9720, 77.9649

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.9038, 51.9720, 27.8235



32.8888, 32.9371, 68.9139

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.4375, 51.9720, 94.5813



49.9038, 51.9720, 27.8235



43.0123, 51.9720, 92.5619

Square

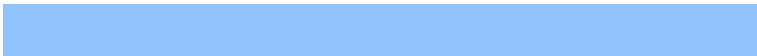
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.9038, 51.9720, 27.8235



37.9298, 51.9720, 55.1568



48.8953, 51.9720, 100.4310



62.9716, 51.9720, 58.0451

Rectangle

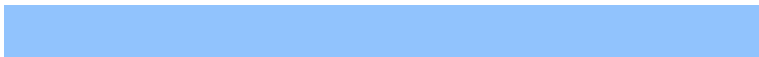
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9038, 51.9720, 27.8235



40.7178, 51.9720, 35.7469



48.8953, 51.9720, 100.4310



59.2313, 51.9720, 84.2738

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.9051, 51.9744, 27.8246



87.5543, 92.2745, 84.0019



41.7065, 32.2710, 35.2844



18.5773, 19.5783, 17.4520



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9051, 51.9744, 27.8246



69.8874, 72.1026, 31.3704



51.7633, 62.3083, 29.7213



13.1326, 13.8395, 13.1398



23.2212, 21.5597, 2.9376



1.4727, 1.4446, 0.2012

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.8888, 32.9371, 68.9139



41.4182, 40.2789, 100.1994



31.4783, 26.2701, 67.7014



12.0538, 12.6311, 15.7403



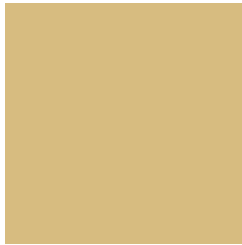
8.6101, 5.4819, 39.0575



0.5923, 0.4765, 2.3801

Previews

White Background



This preview shows how the XYZ color 49.9038, 51.9720, 27.8235 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.9038, 51.9720, 27.8235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9038, 51.9720, 27.8235

Background



This preview shows how black text looks on a background with the XYZ color 49.9038, 51.9720, 27.8235.



This preview shows how white text looks on a background with the XYZ color 49.9038, 51.9720,

27.8235.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.9038, 51.9720, 27.8235

Protanopia

48.3254, 52.1120, 28.2805

Deuteranopia

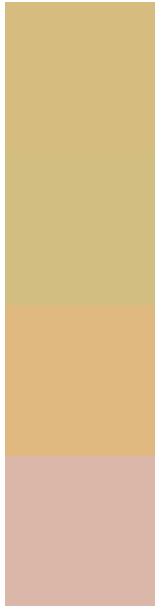
53.2090, 52.1100, 28.0227



Tritanopia

56.1831, 52.0672, 58.1277

Trichromacy



Original Color

49.9038, 51.9720, 27.8235

Protanomaly

48.9542, 52.1135, 28.2476

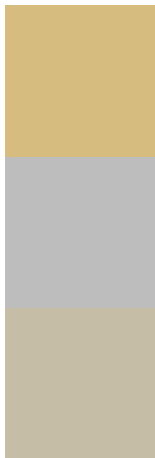
Deuteranomaly

52.0519, 52.1302, 28.0876

Tritanomaly

53.4026, 51.8293, 45.2196

Monochromacy



Original Color

49.9038, 51.9720, 27.8235

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4613, 51.1910, 43.8859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9038, 51.9720, 27.8235 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(215, 188, 128)` looks like.

```
.text, #text, p{  
    color:rgb(215, 188, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(215, 188, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 188, 128) }
```

Border

The CSS property to change the border of an element to XYZ 49.9038, 51.9720, 27.8235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

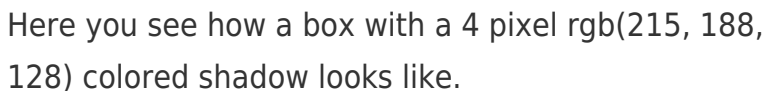
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 188, 128) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(215, 188, 128) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(215, 188, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 188, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 188, 128); box-shadow:4px 4px 4px 4px rgb(215, 188, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9038, 51.9720, 27.8235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 188, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(215,  
188, 128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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